NEVADA DIVISION OF ENVIRONMENTAL PROTECTION

FACT SHEET
(pursuant to NAC 445A.236)

Permittee Name: Spring Creek Utilities
3670 Grant Drive, Suite 103
Reno, NV 89509

Permit Number: NEV2006507

Location: Spring Creek Parkway, Tract 201, Parcel D
Spring Creek, Elko County, Nevada

Township 34N, Range 56E, Section 33

Latitude: 40° 47' 24" N.
Longitude: 115° 40' 07" W.

Flow: Quarterly Average: Monitor and Report
Daily Maximum: 6,000 Gallons per Day

Wellhead Protection:
The Spring Creek Utilities Tract 201, Parcel D Individual Commercial septic wastewater disposal facility is within the 6000', but outside the 3000', buffer zones around three public water supply wells. The facility lies within the 25-year wellhead capture zone of the State established Spring Creek Utilities Wellhead Protection Area. The subject wells are completed in formations 120 to 150 feet below ground surface. The operator of the public water supply has been notified of the modifications proposed to the existing permit.

General:
The Permittee owns and operates a facility offering rental of retail space in Spring Creek, Elko County, Nevada. Wastewater treatment at the site is provided by a large capacity commercial septic wastewater treatment system. The treatment system currently serves a car wash and other retail establishments. The facility has been operating under NDEP temporary permits TNEV2005460, TNEV2006455, and TNEV2007370.

The owner has recognized the expected failure of the existing leachfield, and has proposed rehabilitation of the treatment system. The proposed wastewater facility consists of the existing in-place sand and oil/water separators for treatment of the car wash fluids, an existing 6,000 gallon septic tank which will receive treated water from the car wash and sanitary waste from other retail tenants, and a system of five existing lateral leach lines (to be evaluated and rehabilitated as necessary). Each leach line shall not exceed 100 feet in length, and will be constructed of four (4) inch perforated PVC pipe. The absorption trenches around the leach lines, spaced twenty (20) feet apart, will be leveled and excavated to a width of three (3) feet and a depth of four (4) feet below the elevation of the leach lines. All construction and rehabilitation shall be performed in accordance with Nevada Administrative Code (NAC) 444.750 through 444.839, inclusive. The oil/water

separator and the septic tank will provide primary wastewater treatment. The facility will be permitted for a maximum daily flow of 6,000 gpd. The sand and oil/water separators are owned by the car wash facility, but monitoring and maintenance will be the responsibility of the Permittee. The wash water will be analyzed for metals and total petroleum hydrocarbons on a quarterly basis.

Receiving Water Characteristics:

The effluent is to be percolated to the ground water through the soils beneath the leachfields. The application states that groundwater is encountered at 9.5 feet below ground surface (bgs). Well logs of monitor wells and test wells within the section indicate groundwater is encountered at 47 to 60 feet bgs. Water quality is unknown. Upgrades to the rehabilitated system will include the placement of a monitor well, and the permit will require pre-disposal monitoring of groundwater quality to establish existing water quality.

Proposed Effluent Limitations and Special Conditions

Effluent Monitoring and Limitations

The discharge shall be limited and monitored by the Permittee as specified below:

PARAMETER	DISCHARGE LIMITATIONS		MONITORING REQUIREMENTS	
	Quarterly Average	Daily Maximum	Measurement Frequency	Sample Type
Flow, Car Wash (GPD[1])	Monitor & Report		Monthly	Meter
Flow, Septic Tank (GPD[1])	---	6000	Monthly	Calculate
Chlorides (mg/l)	Monitor & Report		Quarterly	Discrete
Total Nitrogen (mg/l)	Monitor & Report		Quarterly	Discrete
Total Dissolved Solids (mg/l)	Monitor & Report		Annually [3]	Discrete
pH (Standard Units)	6.0 to 9.0		Monthly	Discrete
Oil and Grease (mg/l)	Monitor & Report		Quarterly	Discrete
Total Petroleum Hydrocarbons (mg/l)	---	1.0	Quarterly	Discrete
Priority Pollutant Metals [2] (mg/l)	Monitor & Report		Annually [3]	Discrete

(1) GPD - Gallons per day
(2) Metals to be monitored (Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Silver and Zinc)
(3) Report annual monitoring results in the 4th Quarter Monitoring Report.

Groundwater Monitoring:

The Permittee is required to establish an appropriate downgradient groundwater monitoring point,

and must install a well (MW-1) at that point according to approved designs. The monitoring well MW-1 shall be monitored as follows.

PARAMETER	GROUNDWATER LIMITATIONS	MONITORING REQUIREMENTS	
		Frequency	Sample Type
Depth to Groundwater (ft)	Monitor and Report	2nd & 4th Quarters	Discrete
Groundwater Elevation (ft AMSL)	Monitor and Report	2nd & 4th Quarters	Calculate
Nitrate as N (mg/l)	Monitor and Report	2nd & 4th Quarters	Discrete
Total Nitrogen as N (mg/l)	10.0	2nd & 4th Quarters	Discrete
Chlorides (mg/l)	Monitor and Report	2nd & 4th Quarters	Discrete
TDS (mg/l)	Monitor and Report	2nd & 4th Quarters	Discrete

The Permittee shall sample the groundwater in MW-A, MW-B, and MW-C on a quarterly basis with a discrete sample and analyze for TDS, chlorides, nitrate as nitrogen, total nitrogen, depth to groundwater, and groundwater elevation, submitted in accordance with Part I.B.2, of this permit. If the nitrate as nitrogen level in this well increases to 7.0 mg/L, an alternative method of effluent treatment and/or disposal, which reduces the nitrogen loading into the groundwater, shall be selected and submitted for Division review and approval. If the nitrate as nitrogen level in this well increases to 9.0 mg/L, the Permittee must begin construction of the alternative method of effluent treatment and/or disposal. If the nitrate as nitrogen level in this well increases to 10.0 mg/L, the Permittee shall immediately implement the Division approved alternative method of effluent treatment and disposal.

Special Conditions:

1. The Permittee shall be responsible for monitoring, inspecting and sampling of the car wash oil/water separator attached to the Permittee's septic system.

2. The Permittee and the owner of the car wash attached to the Permittee's septic system shall provide NDEP a copy of a formal agreement, with original signatures of both parties, granting the Permittee access to the car wash oil/water separator for monitoring, inspection, maintenance and sampling purposes.

3. The Permittee is ultimately responsible for the fluid discharged from the permitted system to the groundwaters of the State of Nevada.

Schedule of Compliance:
The Permittee shall achieve compliance with the effluent limitations upon issuance of the permit. Additionally, the Permittee shall comply with the following:

a. **By January 31, 2008,** the Permittee shall properly site and install monitor well MW-1 according to WTS-4, "Guidance Document For Design Of Groundwater Monitoring Wells".

b. **By January 31, 2008,** the Permittee submit samples of groundwater collected from completed monitor well MW-1 to a State of Nevada certified laboratory for analysis of ambient water quality, according to the parameters listed in Part I.A.2 of this permit.

c. **By January 31, 2008, ,** the Permittee shall submit to NDEP certification, stamped by a Nevada registered professional, that the system has been constructed according to NDEP approved plans, and that the system is ready to receive and treat wastewater. The Permittee shall also submit as-built drawings of the system.

d. **By January 31, 2008,** the Permittee shall submit an Operations and Maintenance Manual for Division approval.

Department of Conservation and Natural Resources
Division of Environmental Protection
Bureau of Water Pollution Control
ATTN: Compliance Coordinator
ATTN: Technical Services Branch
901 S. Stewart Street, Suite 4001
Carson City, Nevada 89701

Rationale for Permit Requirements:

Monitoring is required to assess the level of treatment being provided, to determine when design capacity is being approached, and to protect groundwater of the State of Nevada.

Procedures for Public Comment:

The Notice of the Division's intent to issue a permit authorizing the facility to discharge treated effluent into groundwaters of the State, subject to the conditions contained within the permit is being sent to the **Elko Daily Free Press** for publication. The notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of thirty (30) days following the date of publication of the public notice in the newspaper. The comment period can be extended at the discretion of the Administrator. All written comments are to be hand-delivered, postmarked (via mail) or transmitted to the Division via fax or e-mail **by 5:00 P.M. on January 2, 2008.**

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator or any interested agency, person or group of persons.

The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted.

Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determines to be appropriate. All public hearings must be conducted in accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Proposed Determination: The Division has made the tentative determination to issue the proposed permit for the remainder of the five (5) year permit period, subject to permit limitations.

Prepared by: Janine Hartley
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Bureau of Water Pollution Control
November , 2007